

# Re: Data Execution Prevention (DEP)

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.mediacenter/2007-01/msg01271.html>

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- *From:* [sahba.sanai@xxxxxxxxxx](mailto:sahba.sanai@xxxxxxxxxx)
  - *Date:* 16 Jan 2007 14:37:30 -0800
- 

I had this same problem.

I used GSPot to determine which codes were used by the only video which was in the folder that was crashing, and it was XviD 1.2 SMP.

Meanwhile, however, all I did was delete the DivX Bundle Pack which I had – I now have only Video Lan Player (VLC) which I think has all the codecs I need.

Some say the cause of this problem is also the thumbs.db file in the folder, but I didn't even have this file in my folder.

Bernard wrote:

I am also having the same problem. Where do you disable the PICvideo V2 codec? Do you know why suddenly this is creating a problem when before it was not?

Rgds, Bernard

"chong" wrote:

Ok! I've done a bit more digging on other forums and it appears that there is a video codec on Pinnacle Studio 9 which is not DEP compliant. PICVIDEO V2 is the naughty codec. An upgrade to PICVIDEO V3 will cure the problem as will just disabling PICVIDEO V2. Hope others will find this helpful.

"chong" wrote:

I was having the same problem and I've just spent 4 days in my free time trying to isolate the cause.

In my case it turned out that Pinnacle Studio 9 that was causing the problems.

Certain AVI & Mpeg files (MPEG2 and over) all worked fine but when I installed Studio these files would activate DEP when you

Re: Data Execution Prevention (DEP)

tried to open them  
(when using Win Explorer to open these files). MPEG1 files  
still worked fine  
though. When I uninstalled Studio everything was fine again.  
Although I've worked this out, I'm not sure what my next  
step should be as  
the version of Studio I have is the very latest and there are no  
more updates  
available to download from Pinnacle.

"Gary Tsang" wrote:

Find out what avi codec is needed for those  
videos. (Using Gspot –  
<http://www.headbands.com/gspot/>)  
One of your avi codecs is probably out of  
date, and causing the DEP errors  
when it is being triggered in the  
thumbnailing proces.

--

Gary Tsang  
<http://www.gtsang.com>

Microsoft MVP – Windows XP Shell/User  
<http://www.microsoft.com/mvp>

"msuzanski@xxxxxxxxxxxxx"  
<msuzanskihotmailcom@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
<news:13DF70A5-8A41-43EC-A59B-41B6CA2D4877@xxxxxxxxxxxxxxxxxxxxx>

I am unsure of what you are  
saying. I have Windows  
Media Center, Pinicale  
Studio, Real Time Player,  
Windows Movie Maker, and  
one other video  
software  
installed on my pc. As I  
said, I do not need to play  
the AVI video. All  
I  
have to do is open a folder  
that has the AVI file inside  
it and Windows  
file

## Re: Data Execution Prevention (DEP)

explore closes. I have  
uninstalled all of the above  
one at a time and  
then  
reinstalled afterwards and  
after each was removed,  
there was no change.  
Thanks though. I will revisit  
codec updates again.

"Jason Tsang" wrote:

Sounds like  
one of your  
video  
codecs  
(hard to say  
which one,  
since you  
don't  
say what  
'type' of  
AVI file  
specifically  
is causing  
the DEP  
error) is out  
of  
date.

Typically,  
getting an  
updated  
version of  
the codec  
(whichever  
one is the  
offending  
codec) will  
fix your  
issue. (divx  
needed an  
update,  
others did  
too)

--

Jason Tsang

Re: Data Execution Prevention (DEP)

– Microsoft  
MVP

Read my  
blog for the  
latest in  
Media  
Center  
topics  
(and other  
topics that  
interest me)  
<http://jtsang.blogspot.com>

More  
information  
by me  
<http://jtsang.mvps.org>  
<http://www.classicsunveiled.com>

Find out  
about the  
MS MVP  
Program –  
<http://mvp.support.microsoft.com/default.aspx>

"msuzanski@xxxxxxxxxxx"  
<msuzanski@xxxxxxxxxxx@discussions.microsoft.com>  
wrote in  
message  
<news:0BFCA3C0-EDC7-4245-8D6E-F4D42666E645@xxxxxxxxxxx>

I  
am  
having  
issues  
related  
to  
(.AVI)  
files  
with  
relationship  
to  
the  
file  
Explore  
crashing/closing  
due  
to

Re: Data Execution Prevention (DEP)

a  
Data  
Execution  
Prevention  
Error  
(DEP).  
I  
initially  
believed  
root  
cause  
of  
this  
issue  
was  
due  
to  
the  
(.AVI)  
files  
that  
were  
saved  
in  
the  
folder.  
At  
the  
time,  
I  
only  
had  
three  
AVI  
files  
total  
on  
the  
computer.  
My  
solution  
was  
to  
just  
delete  
the  
(.AVI)  
files  
and  
I  
believed

Re: Data Execution Prevention (DEP)

that  
any  
future  
(.AVI)  
files  
that  
I  
added  
would  
be  
issue  
free.  
We'll  
I  
have  
begun  
to  
add  
more  
(.AVI)  
files  
to  
my  
computer  
and  
they  
continue  
to  
crash  
the  
file  
Explore  
with  
the  
Data  
Execution  
Prevention  
Error  
(DEP).

After  
reading  
many,  
many,  
many  
articles  
on-line,  
it  
appears  
to

Re: Data Execution Prevention (DEP)

be  
a  
Microsoft  
XP  
SP2  
operating  
system  
issue.  
Below  
are  
just  
a  
handful  
of  
articles/links  
and  
postings  
that  
I  
was  
able  
to  
read  
about  
this  
same  
exact  
problem.

<http://www.updatexp.com/data-execution-prevention.html>  
<http://www.helpwithwindows.com/WindowsXP/howto-25.htm>  
<http://www.wilderssecurity.com/archive/index.php/t-72660.html>  
<http://forums.vnunet.com/thread.jspa?forumID=10&threadID=100000>  
<http://www.wilderssecurity.com/showthread.php?t=72660>

The  
problem  
is  
as  
follows:  
I  
will  
open  
the  
file  
Explore  
to  
view  
the  
files

Re: Data Execution Prevention (DEP)

on  
my  
hard-drive.  
If  
I  
open  
a  
folder  
that  
contains  
(.AVI)  
files  
or  
if  
I  
can  
manage  
to  
get  
lucky  
and  
highlight  
an  
(.AVI)  
file,  
I  
receive  
a  
Data  
Execution  
Prevention  
Error  
(DEP)  
and  
the  
file  
Explore  
closes.  
The  
strange  
thing  
is  
that  
if  
I  
open  
any  
Media  
Player  
program  
and

Re: Data Execution Prevention (DEP)

run  
the  
(.AVI)  
files  
from  
within  
the  
Media  
Player  
program  
(ie:  
Windows  
Media  
Player  
11,  
Pinnacle  
Studio  
Video,  
Real  
Time,  
etc.),  
things  
work  
properly  
and  
I  
have  
no  
issues  
or  
crashes.  
The  
basic  
problem  
is  
that  
I  
cannot  
click  
on  
and  
rename,  
delete,  
move  
or  
click  
and  
play  
any  
(.AVI)  
files

Re: Data Execution Prevention (DEP)

from  
within  
the  
file  
Explore  
screen.

Below  
are  
the  
key  
error  
logs  
that  
result  
in  
the  
Event  
Viewer:

System  
Events  
–  
(Exact  
time  
of  
the  
crash  
of  
Explore  
file  
application)

\*\*\*\*\*

System  
Event  
–#1  
Event  
Type:  
Information  
Event  
Source:  
Service  
Control  
Manager  
Event  
Category:  
None  
Event

Re: Data Execution Prevention (DEP)

ID:  
7036  
Date:  
8/22/2006  
Time:  
10:12:36  
PM  
User:  
N/A  
Computer:  
MARK  
Description:  
The  
IMAPI  
CD-Burning  
COM  
Service  
entered  
the  
stopped  
state.

Application  
Events  
-  
(Errors  
that  
happened  
near  
the  
same  
time  
of  
the  
system  
event  
that  
is  
shown  
above)

\*\*\*\*\*

Application  
Event  
-#1  
Event  
Type:  
Error  
Event  
Source:

Re: Data Execution Prevention (DEP)

Application  
Error  
Event  
Category:  
(100)  
Event  
ID:  
1000  
Date:  
8/22/2006  
Time:  
10:12:07  
PM  
User:  
N/A  
Computer:  
MARK  
Description:  
Faulting  
application  
explorer.exe,  
version  
6.0.2900.2180,  
faulting  
module  
unknown,  
version  
0.0.0.0,  
fault  
address  
0x03ad7710.  
Data:  
0000:  
41  
70  
70  
6c  
69  
63  
61  
74  
Applicat  
0008:  
69  
6f  
6e  
20  
46  
61  
69  
6c

Re: Data Execution Prevention (DEP)

ion  
Fail  
0010:  
75  
72  
65  
20  
20  
65  
78  
70  
ure  
exp  
0018:  
6c  
6f  
72  
65  
72  
2e  
65  
78  
lorer.ex  
0020:  
65  
20  
36  
2e  
30  
2e  
32  
39  
e  
6.0.29  
0028:  
30  
30  
2e  
32  
31  
38  
30  
20  
00.2180  
0030:  
69  
6e  
20  
75  
6e  
6b

Re: Data Execution Prevention (DEP)

6e  
6f  
in  
unkno  
0038:  
77  
6e  
20  
30  
2e  
30  
2e  
30  
wn  
0.0.0  
0040:  
2e  
30  
20  
61  
74  
20  
6f  
66  
.0  
at  
of  
0048:  
66  
73  
65  
74  
20  
30  
33  
61  
fset  
03a  
0050:  
64  
37  
37  
31  
30  
d7710

Application  
Event

Re: Data Execution Prevention (DEP)

–#2  
Event  
Type:  
Information  
Event  
Source:  
Winlogon  
Event  
Category:  
None  
Event  
ID:  
1002  
Date:  
8/22/2006  
Time:  
10:12:24  
PM  
User:  
N/A  
Computer:  
MARK  
Description:  
The  
shell  
stopped  
unexpectedly  
and  
Explorer.exe  
was  
restarted.

Application  
Event  
–#3  
Event  
Type:  
Error  
Event  
Source:  
Application  
Error  
Event  
Category:  
None  
Event  
ID:  
1001  
Date:

Re: Data Execution Prevention (DEP)

8/22/2006

Time:

10:12:14

PM

User:

N/A

Computer:

MARK

Description:

Fault

bucket

01857827.

Data:

0000:

42

75

63

6b

65

74

3a

20

Bucket:

0008:

30

31

38

35

37

38

32

37

01857827

0010:

0d

0a

..

I

am

unsure

of

what

is

actually

happening

here

to

cause

Re: Data Execution Prevention (DEP)

this  
other  
than  
a  
flaw  
in  
the  
Windows  
XP  
Data  
Execution  
Prevention  
Error  
(DEP)  
code.  
I  
have  
attempted  
the  
following  
to  
correct  
my  
problem:

–  
Windows  
XP  
has  
always  
been  
from  
day  
one  
kept  
up  
to  
date  
with  
all  
Service  
Packs  
and  
Updates.

–  
Scanned  
the  
Disk  
for  
Errors  
–

Re: Data Execution Prevention (DEP)

(No  
errors  
found)  
–  
Performed  
a  
Disk  
Clean  
Up  
–  
Performed  
a  
Disk  
Defragmentation  
–  
Run  
McAfee  
Virus  
Scan  
–  
(No  
issues  
found)  
–  
Updated  
Microsoft  
Media  
Play  
Ver–10  
to  
Ver–11  
–  
Uninstalled  
Pinnacle  
Video  
Software  
–  
Uninstalled  
Real  
Time  
Player  
–  
Reinstalled  
Pinnacle  
Video  
Software  
&  
All  
Updates  
–  
Reinstalled

Re: Data Execution Prevention (DEP)

Real  
Time  
Player  
&  
All  
Updates

I  
am  
at  
a  
total  
loss  
and  
getting  
annoyed  
that  
this  
problem  
exists  
and  
I  
cannot  
correct  
it.  
Can  
you  
please  
help  
me  
to  
resolve  
this  
issue  
without  
having  
to  
disable  
the  
Data  
Execution  
Prevention  
Error  
(DEP)  
feature  
in  
Windows  
XP?

